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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 31/365	A3	(11) International Publication Number: WO 98/01100 (43) International Publication Date: 15 January 1998 (15.01.98)
(21) International Application Number: PCT/US (22) International Filing Date: 3 July 1997 (c) (30) Priority Data: 60/021,420 9 July 1996 (09.07.96) 9617898.3 28 August 1996 (28.08.96) 60/029,351 31 October 1996 (31.10.96) (71) Applicant (for all designated States except US): MI CO., INC. [US/US]; 126 East Lincoln Avenue, Ral 07065 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): MITCHEL, [US/US]; 126 East Lincoln Avenue, Rahway, N (US). TOBERT, Jonathan, A. [US/US]; 126 East Avenue, Rahway, NJ 07065 (US). (74) Common Representative: MERCK & CO., INC.; Lincoln Avenue, Rahway, NJ 07065 (US).	O3.07.9 CG C ERCK hway, h Yale, 1 J 0700 t Linco	CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TI, TM, TR, TT, UA, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, Cl, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. (88) Date of publication of the international search report: 12 February 1998 (12.02.98)

- (54) Title: METHOD FOR TREATING HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA
- (57) Abstract

Homozygous familial hypercholesterolemia can be treated in patients suffering with this condition by administering a therapeutically effective amount of simvastatin. Dosages above 40 mg/day, and more particularly at or above 80 mg/day, were found to effectively reduce the LDL cholesterol levels in these patients.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US97/11792

A. CL.	ASSIFICATION OF SUBJECT MATTER					
US CL	:514/460					
According to International Patent Classification (IPC) or to both national classification and IPC						
	LDS SEARCHED					
ł	documentation searched (classification system follow	ved by classification symbols)				
U.S. :	514/460					
Document	tion searched other than minimum documentation to t	he extent that such documents are included in the fields searched				
Electronic	data base consulted during the international search (name of data base and, where practicable, search terms used)				
ł	AL ABSTRACTS	#				
C. DOC	TUMENTS CONSIDERED TO BE RELEVANT					
Category •	Citation of document, with indication, where a	ppropriate, of the relevant passages Relevant to claim No.				
X	Randomised trial of cholesterol low coronary heart disease: the Scandinavi (4S). Lancet. November 1994, Vol. (Abstract).	an Simvastatin Survival Study				
A	US, 5,393,893 A (KUBELA et al.) 28 February 1995, see entire document.					
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	or documents are listed in the continuation of Box C					
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	ctual completion of the international search	Date of mailing of the international search report				
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Box PCT Washington,	D.C. 20231	JAMES H. REAMER J GIA				
acsimile No.	simile No. (703) 305-3230 Telephone No. (703) 308-1235					

185/39/61

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat

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Basic Patent (No, Kind, Date): GB 9617898 A0 19961009 <No. of Patents: 007> Patent Family:

Pat	cent No	Kind	Date	Applic	No	Kind	Date		
AU	9736672	A1	19980202	AU,	97366	72	Α	19970703	
AU	9742289	A1	19980202	AU	974228	89	Α	19970703	
AU	9743261	A1	19980202	AU	974326	61	A	19970703	
GB	9617898	A0	19961009	GB	961789	98	Α	19960828	(BASIC)
WO	9801116	A1	19980115	WO	97US12	2426	Α	19970703	•
WO	9801100	A2	19980115	WO	97US1	1792	Α	19970703	
WO	9801119	A2	19980115	WO	97US10	0867	Α	19970703	

Priority Data (No, Kind, Date):

GB 9617898 A 19960828

US 21420 P 19960709

US 29351 P 19961031

WO 97US12426 W 19970703

WO 97US11792 W 19970703

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PATENT FAMILY:
AUSTRALIA (AU)
  Patent (No, Kind, Date): AU 9736672 Al 19980202
   THERAPY FOR COMBINED HYPERLIPIDEMIA (English)
    Patent Assignee: MERCK & CO INC
   Author (Inventor): MITCHEL YALE B; MELINO MICHAEL R
   Priority (No, Kind, Date): GB 9617898 A 19960828; US 21420 P
     19960709; US 29351 P 19961031; WO 97US12426 W 19970703
   Applic (No, Kind, Date): AU 9736672 A 19970703
   IPC: * A61K-009/20
   CA Abstract No: * 128(09)097715J; 128(09)097716K; 128(11)132435S
   Derwent WPI Acc No: * C 98-110203; C 98-110207; C 98-145191
   Language of Document: English
  Patent (No, Kind, Date): AU 9742289 A1 19980202
   METHOD FOR TREATING HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA (English)
   Patent Assignee: MERCK & CO INC
   Author (Inventor): MITCHEL YALE B; TOBERT JONATHAN A
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  Patent (No, Kind, Date): AU 9743261 A1 19980202
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   Patent Assignee: MERCK & CO INC
   Author (Inventor): MITCHEL YALE B; TOBERT JONATHAN A
   Priority (No, Kind, Date): GB 9617898 A 19960828; US 21420 P
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   THERAPY FOR COMBINED HYPERLIPIDEMIA (English)
   Patent Assignee: MERCK & CO INC (US); MITCHEL YALE B (US); MELINO
     MICHAEL R (US)
   Author (Inventor): MITCHEL YALE B (US); MELINO MICHAEL R (US)
   Priority (No, Kind, Date): GB 9617898 A 19960828; US 21420 P
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   128(09)097716K
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Patent (No, Kind, Date): WO 9801100 A2 19980115
 METHOD FOR TREATING HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA (English)
                    MERCK & CO INC (US); MITCHEL YALE B (US); TOBERT
 Patent Assignee:
   JONATHAN A (US)
 Author (Inventor): MITCHEL YALE B (US); TOBERT JONATHAN A (US)
          (No, Kind, Date): GB 9617898 A
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   19960709; US 29351 P 19961031
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   ; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA;
  GN; ML; MR; NE; SN; TD; TG
 Filing Details:
                  WO 130000 With international search report; Before
   expiration of time limit for amending the claims and to be
   republished in the event of the receipt of the amendments
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                       128(09)097715J; 128(09)097716K; 128(11)132435S;
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   98-110203
 Language of Document: English
Patent (No, Kind, Date): WO 9801119 A2 19980115
 PHARMACEUTICAL COMPOSITIONS (English)
 Patent Assignee:
                    MERCK & CO INC (US); MITCHEL YALE B (US); TOBERT
   JONATHAN A (US)
 Author (Inventor): MITCHEL YALE B (US); TOBERT JONATHAN A (US)
 Priority (No, Kind, Date): GB 9617898
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 Applic (No, Kind, Date): WO 97US10867 A
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   SN; TD; TG
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   be republished upon receipt of that report
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 Derwent WPI Acc No: * C 98-110203; C 98-110207; C 98-145191; C
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Language of Document: English

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WO 980		19960709 WO AA PRIORITY CLAIMED
WO 360.	1100 P	US 21420 P 19960709
NO 080	1100 P	19960828 WO AA PRIORITY (PATENT)
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			CITED IN A PUBLISHED APPL. WITHOUT SEARCH
			REPORT)
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			FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
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			INTERNATIONAL SEARCH REPORT (PUB. OF THE
			INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL
			SEARCH REPORT)
WO	9801119	P	19980312 WO DFPE REQUEST FOR PRELIMINARY
		_	EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH
			MONTH FROM PRIORITY DATE
WO	9801119	P	19980506 WO 121 EP: PCT APP. ART. 158 (1)
			(EP: PCT ANM. ART. 158 (1))
WO	9801119	P	19990604 WO NENP NON-ENTRY INTO THE NATIONAL
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WO	9801119	P	19991110 WO 122 EP: DCT APP. NOT ENT. EUROP.
			PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE
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